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ORIGINAL

LAW OFFICES OF  
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August 10, 1992

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RECEIVED

AUG 10 1992

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Mr. Dennis Williams  
Chief, FM Branch  
Mass Media Bureau  
Federal Communications Commission  
1919 M Street, N. W. 20554

Attention: Mr. Eric Rice

In re: NEW(FM), Ashboro, NC  
Positive Alternative  
Radio, Inc.  
BPED-911119MC

NEW(FM), Winston-Salem,  
NC, Triad Family  
Network, Inc.  
BPED-910227MD

Dear Mr. Williams:

By letter of June 9, 1992 you urged the captioned applicants to take steps to avoid the mutual exclusivity of their applications, and pointed out several minor engineering discrepancies of the Positive Alternative Radio Inc. application.

The purpose of this letter is to request an additional period of 60 days to effect satisfactory negotiations between the applicants in order to avoid a comparative hearing.

Enclosed herewith is a minor amendment responding to the engineering matters raised in your letter. You will note that the applicant's signature is in facsimile form. As soon as a hard copy is received it will be directed to your office in confirmation.

Yours very truly,

*[Handwritten Signature]*

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EXAMINE



**ORIGINAL**

**PETER V. GURECKIS & ASSOCIATES**

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**AUG 10 1992**

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

ENGINEERING EXHIBIT EE-2

POSITIVE ALTERNATIVE RADIO, INC.  
ASHEBORO, NORTH CAROLINA

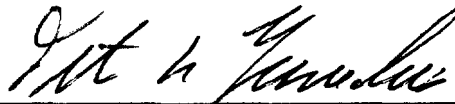
AUGUST, 1992

ENGINEERING AMENDMENT IN SUPPORT OF AN APPLICATION  
FOR A NON-COMMERCIAL FM BROADCAST STATION

**PETER V. GURECKIS & ASSOCIATES**

I, PETER V. GURECKIS, certify that I am a Consulting Radio Engineer, that my qualifications are known to the Federal Communications Commission and that my firm has been retained by POSITIVE ALTERNATIVE RADIO, INC., Asheboro, North Carolina, to prepare this statement.

I further state that the calculations and exhibits contained herein were prepared by me personally or under my direction and that all facts contained therein are true of my knowledge except where stated to be on information or belief, and as to those facts, I believe them to be true.



---

PETER V. GURECKIS  
PETER V. GURECKIS & ASSOCIATES

DATE: AUGUST 4, 1992

PETER V. GURECKIS & ASSOCIATES

ENGINEERING STATEMENT

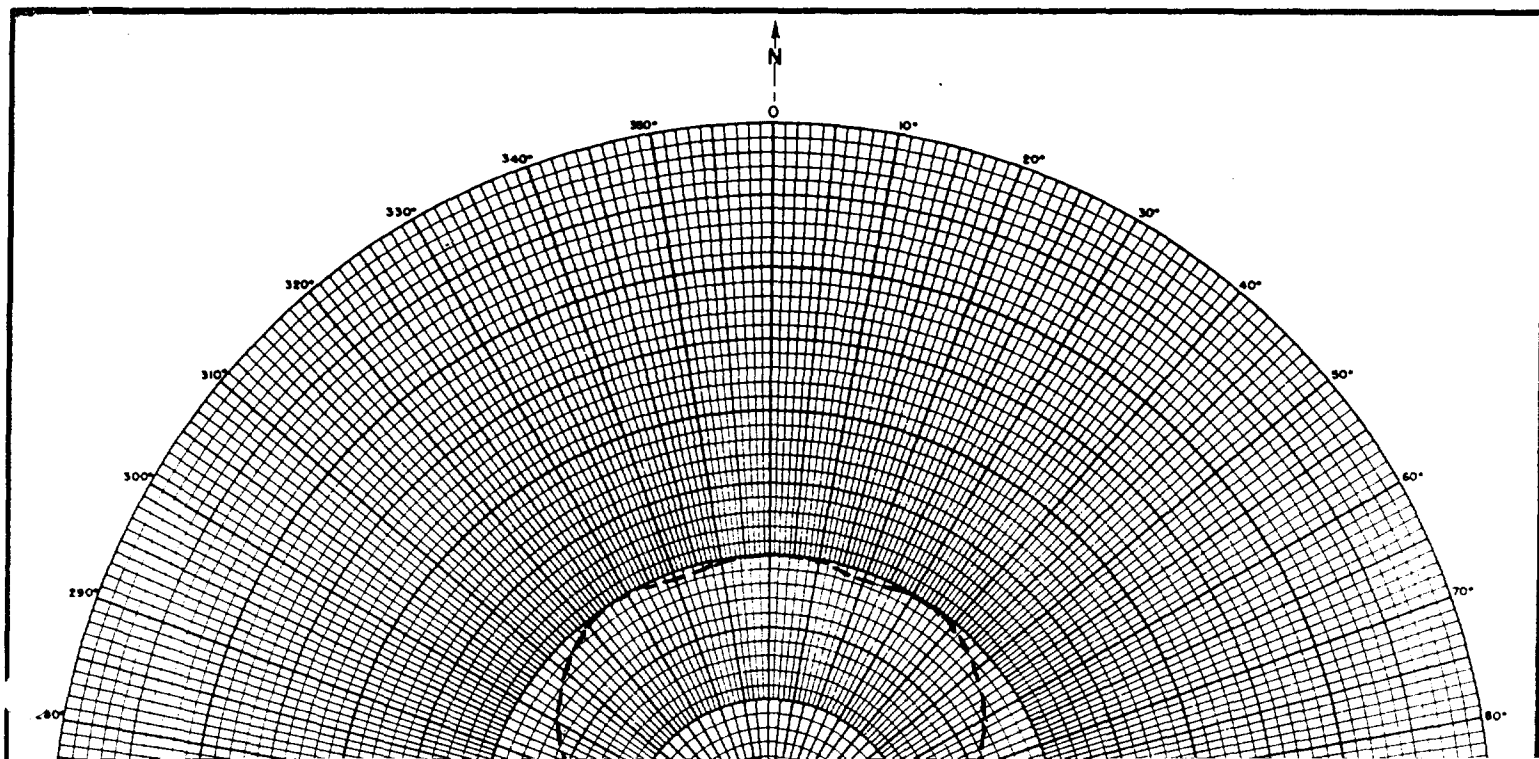
POSITIVE ALTERNATIVE RADIO, INC.  
ASHEBORO, NORTH CAROLINA

This Engineering Amendment has been prepared on behalf of POSITIVE ALTERNATIVE RADIO, INC., who request a non-commercial FM broadcast station to operate on Channel 207A with an effective radiated power of 2.5 KW at Asheboro, North Carolina (File No. BPED-911119MC).

The purpose of this Amendment is to reply to the Commission's letter of June 9, 1992.

Attached is a revised Figure 9, RF Statement. The distance of 7 meters is the worst case required for the AM 5 KW operation of Station WKXR.

Also, attached is Figure 2-A and revised Figure 3. It should be noted that the original Figure 2 showed the type and make of the proposed FM antenna.



PETER V. GURECKIS & ASSOCIATES

FIGURE 2-A

POSITIVE ALTERNATIVE RADIO, INC.  
ASHEBORO, NORTH CAROLINA

<u>Bearing</u>	<u>Field</u>
0	1.00
10 - 350	.988
20 - 340	.966
30 - 330	1.00
40 - 320	.988
50 - 310	.933
60 - 300	.861
70 - 290	.759
80 - 280	.653
90 - 270	.603
100 - 260	.468
110 - 250	.389
120 - 240	.309
130 - 230	.260
140 - 220	.240
150 - 210	.234
160 - 200	.240
170 - 190	.248
180	.254

Pattern Maxima

0°  
30°  
330°

Pattern Minima

150°  
210°

# PETER V. GURECKIS & ASSOCIATES

## FIGURE 9

### POSITIVE ALTERNATIVE RADIO, INC. ASHEBORO, NORTH CAROLINA

#### RF STATEMENT

The proposed FM operation will comply with the safety requirements of OSHA in that the power density at the base of the tower will be below the maximum permissible exposure level for humans of 100 milliwatts per centimeter squared. The RF radiation value at 2 meters above the base of the tower is 6.919 percent of the maximum of 1000  $\mu\text{m}/\text{cm}^2$  based upon the following calculations:

Horizontal Power = 2.5  
Vertical Power = 2.5  
Number of Bays 8n antenna = 4

Pick from the following antenna types:

Pipole (Phelps Dodge)	=	1
Jampro (Double V)	=	2
ERI (Roto Tiller)	=	3
RCA/Dielectric (BFC)	=	4
RCA (BFG)	=	5

2

Separation between bay elements in wavelengths = 1  
Distance from person's head (2 M AG) to Antenna C.O.R. in meters/F = 13  
Distance from tower base in meters = 0  
Vertical angle (0 to -90 degrees) = -90  
Power Density H = 14.83  
Power Density V = 54.36

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R.F. radiation level = 69.19 microwatt/sq. centimeter  
That is 6.919 percent of maximum of 1000 microwatts/sq. cm

Thus, no hazard of radiation exist at ground level for the proposed FM operation. RF signs will be posted at the base of the tower.